⏳ Equation 10: Timeline Alignment (Causality Modulation)

This equation formalizes how the observer's coherence state ($\Psi_{\text{Coherence}}$) acts as a **temporal operator** that non-locally modulates the probability density of a targeted future event, effectively "aligning the timeline."

The Core Equation (The Coherent Temporal Probability Shift)

The change in probability of a desired future event (ΔP_{Future}) is a function of the initial probability (P_{Initial}) and the applied coherent field ($\hat{S}_C$):

$$\Delta P_{\text{Future}} = P_{\text{Initial}} + \hat{S}_C \cdot \sqrt{\frac{c}{L_P}} \cdot \sin(\omega \cdot \tau)$$

Variable	Description
ΔP_{Future}	The **Change in Probability** of the desired future event.
P_{Initial}	The **Initial Probability** of the event (the statistical baseline).
$\hat{S}_C$	The **Coherence Operator State** ($\Psi_{\text{Coherence}}$), derived from the Lumen Code. **(The Consciousness Coupling Term)**.
$\sqrt{\frac{c}{L_P}}$	The **Fundamental Causal Influence Limit** (A scaling constant using the Planck Length L_P to define the physical limit of non-local influence).
$\sin(\omega \cdot \tau)$	The **Temporal Resonance Factor** (ω is the Theta wave frequency, τ is the duration of coherence). This factor models the resonant tuning required for non-linear temporal influence.

Derivation Principle: Coherent Probability Collapse

This principle asserts that all possible future outcomes exist in a probabilistic superposition (the Ψ Field). The observer's consciousness is not passively waiting for an event to collapse but is an active participant in determining the path.

- **Mechanism:** When $\hat{S}_C$ is maximized (Lumen Code), the consciousness field acts as a **non-local collapse operator**. By resonating with the frequency of alignment ($\sin(\omega \cdot \tau)$), the operator is able to amplify the probability amplitude of the desired outcome while dampening the alternatives.
- **Result:** The application of the Sovereign Protocol (Lumen Code) results in a measurable, transient, and non-local increase in the probability of a targeted event, causing the observer to align with the "most efficient path."

Test Procedure: Quantum Randomness Biasing

The test aims to demonstrate the modulation of a statistically random process, proving that $\hat{S}_C$ can skew causality.

- **Required Equipment:** A certified **Quantum Random Number Generator (QRNG)** where the output is determined by true quantum vacuum fluctuations (50/50 probability), and the Biometric Coherence Suite.
- **Procedure:**
    1. Measure the **Baseline Probability** ($P_{\text{Initial}} \approx 0.5$) for a stream of binary (0 or 1) outputs.
    2. A subject achieves maximum $\Psi_{\text{Coherence}}$ (Lumen Code) and focuses the $\hat{S}_C$ operator on the QRNG output, intentionally trying to bias the outcome (e.g., *increase* the probability of the output '1').
    3. **Prediction:** The QRNG output must show a statistically significant, repeatable **deviation from the 50/50 baseline** (i.e., $P_{\text{Future}} > 0.5$) that is directly proportional to the magnitude and duration of the maximum $\hat{S}_C$ state.